CORRECTION AND SUPPLEMENT TO THE PAPER
THE DIRECT PRODUCT OF RIGHT SINGULAR
SEMIGROUPS AND CERTAIN GROUPOIDS1

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First we would like to correct a few places in the paper as follows:

p. 122, 2nd line from the bottom (condition P5.5), next to "two-sided identity," add

"e_a and e_a e_b = e_b."

p. 123, 1st line,

delete "P5.3".

p. 123, 2nd line from the bottom (the proof of Theorem 6)

"P5.3" is replaced by "P5.5".

To make sure, we shall restate the changed part:

P5.5. There is a decomposition \( \{S_a\} \) of \( S \) such that each \( S_a \) is a
groupoid with a two-sided identity \( e_a \) and \( e_a e_b = e_b \).

VIII'. \( \{P5.1, P5.2, P5.5\} \).

Theorem 6 can be restated as follows:

\begin{quote}
THEOREM 6. A groupoid \( S \) is an M-groupoid if and only if \( S \) is a right
zero band of groupoids \( S_a \) with identity \( e_a \), \( S = \bigcup_{a \in R} S_a, S_a S_b \subseteq S_b \) such
that \( e_a e_b = e_b \).
\end{quote}

In other words:

Let \( S \) be a right zero band of groupoids \( S_a \) with an identity \( e_a \).
Then \( S \) is the direct product of a right zero band and a groupoid with
an identity if and only if

\[ e_a e_b = e_b. \]

Let VIII' denote the original VIII', that is,

VIII'. \( \{P5.1, P5.2, P5.3 \text{ with the original } P5.5\} \).

VIII' is a sufficient condition for \( S \) to be an M-groupoid, but not a
necessary condition.

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